My Project Profile

I have worked in a very broad scope of fields like Data Science, Computer Vision, Deep Learning, Sequence Models, Neural Networks, Data Clustering, Cryptography, Making a Debugger, and Web Development

April-2020 and Ongoing

Build two models from Convolutional Neural Networks for the classification of Images from MNIST dataset using the TensorFlow in my Coursework of TensorFlow Specialisation

Completed a Course Work of Sequential Analysis from Andrew-NG through Coursera and developed several mini projects like Trigger Word Detection, Removing Word Biasing

Platform used for development is Google Colab and Jupyter Notebook

Working language: Python

February-2020 and Ongoing

I am working with the Malaysian Company Skyhive as a Software Developer. The project we are working is a way to shift almost all the offline work of medical fields worker or clinics to an online platform.

In the initial phase of the internship, i worked as a front-end developer but now i am one of the lead of the software.

The platform we are using for communication is Discord and the development environment is GitHub and Visual Studio Code

Working language: JavaScirpt, HTML-CSS, Jquery, PHP

January-2020 and Ongoing

Done several mini projects in the field of Data Science and Computer Vision along with the specialisation Course of John Hopkins University from Coursera (it's ongoing). My Mini projects includes,

- Detecting the word on a piece of multi column newspaper and printing out all the faces (Computer Vision)
- Reading and Manipulating Data from various places like from SQL, API's and HTML itself (Data Science)
- Learned and converted many type of Data to a simpler form known as Tidy Data (Data Science)

Platform used for development is R Studio, Google Colab and Jupyter Notebook

Working language: R and Python

August-2019 to October-2019

Developed a complete Website (including the front-end and back-end) for Hostel Administration. Some highlights of the Website

- There are three actors of the website (Warden, Council Member, Students)
- Automatic generation of Mail's for Complaints and Leaves
- Website is secured from cross site scripting and SQL injection attack

Website link: iiitnhostel.tk

Working language: JavaScirpt, HTML-CSS, Jquery, Bootstrap, PHP

September-2019

Developed and trained the Single layer and Multi Layer Perceptron Neural Networks with an accuracy of 80% for Single layer and 50% for Multi-layer, as a part of the academic project

Working language: Python

May-2019 to July-2019

This is my internship period with International Institute of Information Technology, Hyderabad and during this timeline I developed many projects like MIPS Assembly language Debugger, Simulation of Triple DES Cryptography Algorithm and the Simulation of two Data Clustering Algorithms (K means and MST Clustering).

During the initial phase of the Internship, i have worked as a Software Developer but became a mentor in the last phase. The Platform we used for communication is Slack and for development we used GitHub and Visual Studio Code

Working language: JavaScirpt, HTML-CSS, Jquery, Bootstrap, PHP

The project that I liked the most

The project that i liked the most is the Data Science mini projects that i worked upon during my coursework.

Project: Conversion to Tidy Data

The goal of the project is to convert the Raw Data or Data in other form to a suitable format which further can be used for processing the queries

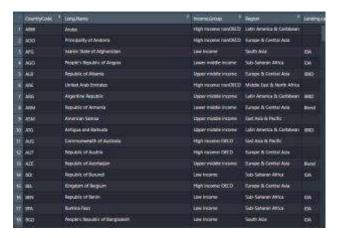
There are lot's and lot's of data being generated and are available as many applications generate data like various API's or Website's Database, but the problem is the format of the data available is not the one that can be processed easily like JSON data or XML data formats are very common but to apply Data Analytics on these format is not an easy task. And hence it's required to pre-process the data and made it available in a Tidy data format.

The most brain-storming part of the problem was to decide which columns to keep and what to merge, so i just followed the guidelines for the Tidy data set to make that decision

I don't have , many files locally, as i worked online and submitted. But i attached some of them

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3 - The data looks like this when downloaded



4 - After pre-processing